Ama SAMA SAMA SAMA SAMA SAMA SAMA SAMA SAM	Docum 3 0 5 5 7 6 8	6 2 2 2 0 2 2	(Usa 8 7 0 0 3 3 3	7 9 4 6 3	0 2 3 3 9	1 sh	08/30/2001 10/22/1996 02/24/1998 03/3/1998 09/15/1998 11/27/2001	TENT DOCUMENTS Name Kandol et al. (Exhibit 1); Kelleher et al. (Exhibit 2);	Applicant Filing Date March 5, Class 514 424 514 435 800	Subclass 368 9.1 2.7.21 18		632
Examiner Initial Ama Ama Ama Ama Ama	0 0 5 5 6 7 6 7 8 8	6 2 2 0	8 7 0 3 7	7 9 4 6	3 3 9	6 3	08/30/2001 10/22/1996 02/24/1998 03/3/1998 09/15/1998 11/27/2001 FOREIGN I	Name Kandol et al. (Exhibit 1); Kelleher et al. (Exhibit 2); Wadsworth et al. (Exhibit 3); Huang et al. (Exhibit 4); Scott et al. (Exhibit 5); Schlaepfer et al. (Exhibit 6);	March 5, Class 514 424 514 435 800	368 9.1 2 7.21	Filing D	ate
Examiner Initial Ama Ama Ama Ama Ama	0 0 5 5 6 7 6 7 8 8	6 2 2 0	8 7 0 3 7	7 9 4 6	3 3 9	6 3	08/30/2001 10/22/1996 02/24/1998 03/3/1998 09/15/1998 11/27/2001 FOREIGN I	Name Kandol et al. (Exhibit 1); Kelleher et al. (Exhibit 2); Wadsworth et al. (Exhibit 3); Huang et al. (Exhibit 4); Scott et al. (Exhibit 5); Schlaepfer et al. (Exhibit 6);	514 424 514 435 800	368 9.1 2 7.21	Filing D	ate
Initial Amore Amore	0 0 5 5 6 7 6 7 8 8	6 2 2 0	8 7 0 3 7	7 9 4 6	3 3 9	6 3	08/30/2001 10/22/1996 02/24/1998 03/3/1998 09/15/1998 11/27/2001 FOREIGN I	Kandel et al. (Exhibit 1); Kelleher et al. (Exhibit 2); Wadsworth et al. (Exhibit 3); Huang et al. (Exhibit 4); Scott et al. (Exhibit 5); Schlaepfer et al. (Exhibit 6);	514 424 514 435 800	368 9.1 2 7.21		
Ama 5 Ama 6	5 7 5 7 8 8	2 0 2	3 7 3	6	3 3 9	6 3	10/22/1996 02/24/1998 03/3/1998 09/15/1998 11/27/2001 FOREIGN I	(Exhibit 1); Kelleher et al. (Exhibit 2); Wadsworth et al. (Exhibit 3); Huang et al. (Exhibit 4); Scott et al. (Exhibit 5); Schlaepfer et al. (Exhibit 6);	424 514 435 800	9.1 2 7.21		
Ama 5 Ama 6	5 7 5 7 8 8	2 0 2	3 7 3	6	3 3 9	6 3	02/24/1998 03/3/1998 09/15/1998 11/27/2001 FOREIGN I	Kelleher et al. (Exhibit 2); Wadsworth et al. (Exhibit 3); Huang et al. (Exhibit 4); Scott et al. (Exhibit 5); Schlaepfer et al. (Exhibit 6);	424 514 435 800	9.1 2 7.21		
Ama s	8	0 2	3 7 3	6	3 9	6 3	03/3/1998 09/15/1998 11/27/2001 FOREIGN I	Wadsworth et al. (Exbibit 3); Huang et al. (Exhibit 4); Scott et al. (Exhibit 5); Schlaepfer et al. (Exhibit 6);	424 514 435 800	9.1 2 7.21		
Ama s	8	2	3	6	9	3	09/15/1998 11/27/2001 FOREIGN 1	(Exhibit 4); Scott et al. (Exhibit 5); Schlaepfer et al. (Exhibit 6);	514 435 800	2 7.21		
Ama 6	3	2	3	3	9	1	11/27/2001 FOREIGN 1	(Exhibit 5); Schlaepfer et al. (Exhibit 6);	800			
Ama I				L	<u> </u>	L	FOREIGN I	(Exhibit 6);		18		
A	Pocus	nen	t Nu	mbe	er			PATENT DOCUMENT	S			
A	Осш	nen	t Nu	mbe	er 	_	Date					
		-	-			_	Date Country		Class	Subclass	Translation	
		+	\bot	-							Yes	No
	‡	+	L			_						
	+		T	-								
	- 1	+	+	-	_		ļ					
		TI	ED			<u> </u>	<u> </u>	L	<u> </u>		<u></u>	
	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)											
Am_{2}	Abel, T., et al., "Memory suppressor genes: inhibitor constraints on the storage of long-term memory," Science 279:338-341 (1998) (Exhibit 7);											
a / l	re ong hat	co -t e	rre erm nha	ela n p anc	te ot e	d en th	with de tiation e cAMP	Age-related defects in the lin vitro and signaling path	ate pha are at	tenuated	ppoca	mpa
A H	cti	vi	ty ec	fo ept	or	ow	ing sti	Maili, S., "o mulation of hi rat," Hippoc	ppocami	pal 5-HT1	plora LA and	d =
Ama / ai	ipp nd	oca sp	amp at:	al ial	1	es lea	ions in	., "Fimbria-f rats: effect and memory," t 10);	s on l	ocomotor	selec acti	tiv vit
XAMINER						UEL	DATE CONSID	is in conformance with MPE				

Applicants:

Serial No.: Filed: (Exhibit A)

Isabelle Mansuy and Eric R. Kandel 10/091,714 March 5, 2002

	Form P7	9-14 P &	U.S. Department of Comm									Atty. Doc		Serial No. 10/091,714		
	1111 1	6 200		FC	RM	1A1 Tisa	(Ol?	N DI	SCI	LOSURE (ets if neces	CITATION		ts: Isabelle Mai Eric R. Kan	isuy and		
\				<u>/</u> _							·	Filing Date March 5,	Group 1632			
ļ	TRAI	DEMAR	<u>></u>							U.S. PA	TENT DOCUMENTS					
	Examiner nitial	Document Number Date Nam									Name	Class		iling Date Appropriate		
\mathbf{I}		+-	+-	\vdash	\vdash	\vdash	\vdash	_			 		<u> </u>	-		
ŀ			十		-	十	╁				 			-		
\mid	· · · · ·	; 	.			.			I		PATENT DOCUMENT	rs	Ţ	_		
l		ŀ	Doc	cum	ent	NU	m De	r		Date	Country	Class	Subclass	Transla Yes	ation No	
														1 63	140	
ŀ		┼	\vdash		_	L	<u> </u>	Н								
t		\top	П			H	┢					 		 		
Γ	- "		-	07	THE	ER I	DOC	CUM	IEN	TS (Includ	ling Author, Title, Date,	Pertinent P	ages, Etc.)	J	<u> </u>	
	Ama	,	mu	rin	ngt nt	mi	ı, ice	M.	L. Ná	, et ature,	al., "Long-ten 387:666-667 (1	rm pote .997) (E	ntiation xhibit 1 1	.);		
			te	tra	acy	/C]	lin	es	i	n mam	l., "Transcr malian cells,'	iptional 'Scien	activa ace, 268:	ation 1766-	by -1769	
		<pre>(1995) (Exhibit 12); Ikegami, S., et al., "A facilitatory effect on the induction of long-term potentiation in vivo by chronic administration of antisense oligodeoxy-nucleotides against catalytic subunits of calcineurin," Brain Res. Mol. Brain Res., 41:183-191 (1996) (Exhibit 13);</pre>												tion		
	√	Ikegami, S., and Inokuehi, K. "Antisense DNA against												fear ong-		
J	l mə		Jer in (Ex	t	he	:	br.	air	et 1,"	al., " Ann.	Studies on com N.Y. Acad.	Sci.,	al gene e 868:27-3		sion 999)	
EX	AMINER	ne-	m	√x	تعا	Dr	al	k	D	ATE CONSI	DERED 4/25/0	5				
*E	XAMINE	R: Init	ial if	citati sider	ion c	onsi	derec	i, who	ether f this	or not citation	n is in conformance with MP	EP 609: Draw I	ine through citatio	n if not in		

Q	21449		Pat	ent.a	nd.		artment of Commerce		ket No. W/AJM/MINIL	Serial 10/091		
JUL 1 6 20	10 8 30 A	FOR	MA7 (Use	rioi e sev	V DI eral	Fradomark-Of SCLOSURE (sheets if neces	CITATION	Applicants: Isabelle Mansuy and Eric R. Kandel				
& TRADEN	MAN SE							Filing Date March 5		Group 1632		
THADE	<u> </u>					U.S. PA	TENT DOCUMENTS					
Examiner nitial	Doc	iment l	Numb	er	т—	Date	Name	Class	Subclass	Filing Date if Appropriate		
		-	-	╀	-			-		<u> </u>	,	
		_	+	十					 			
	Doc	umen	t No	mhe	-		PATENT DOCUMENT		1			
	Bot	ишси	C I U	шое		Date	Country	Class	Subclass	Transl Yes	ation No	
	- -	+	╁	-	Н			 	 	 		
							1		<u> </u>			
			1					-	1			
Amo	Lis	man	., .	J.	``T	he CaM k	ling Author, Title, Date,	hesis	for the s	storaç	je o	
Ama	Lu,	man hapt hib	ic it /	J. 16 F., cin	"T men);	et al. A, sup		inhib	for the s 17:406-41 itors, F receptor	2 (1 K506 r-med:	an iate	
Ama	Lu, cychir	sman hapt hib clos ent poc Y. GAE	ic it por ial amp M.,	J. 16 F., cin ls bus rgi ex	"Tmem i); ar it	et al. A, sund LTP, Brain Res inhibition	inase II hypot Frends Neuros "Calcineurin ppress the but not dep	inhib NMDA otentia (1996) ated lo he lon	for the s 17:406-41 itors, E receptor tion in (Exhibit ng-term of g-lasting	TK506 r-med: the t 17); depres	an iate ra	
Ama	Lu, cyc pot hir	mapthibicity (CART CART CART CART CART CART CART CART	ic it portial amp M., BAe: ed b	J. 16 F., cin ls bus ergi ex y,	"T mem an	et al. A, sund LTP, Brain Res al., "Cal inhibition tability P," Neuro et al ased explanance in	inase II hypoternas Neuros "Calcineurin press the but not depert, 729:142-146 cineurin mediation underlies to of CA1 hipp	inhib NMDA otentia (1996) ated lo he lon ocampal (2000) recepto	for the silons, Exhibit (Exhibit pyramic (Exhibit r knock-ti enhance	TK506 r-med: the t 17); depres inc: lal c 18); out	an iate rassion ceas	
Ama	Lu, cyc pot him income Malexh	close the poct that the poct t	ic it (J. 16 F., cin Is Dus ex rgi ex yy, inc Gl6 Gung n	"T men and a control of the control	et al. A, sund LTP, Brain Res al., "Cal inhibition ability P," Neuro et al ased explanance in (1999) (E) et al., memory,	inase II hypoternas Neuros "Calcineurin press the but not deptor, 729:142-146 lcineurin media on underlies to GCA1 hippor, 26:197-205 "5-HT1B in loratory active the Morris wa	inhib NMDA otentia (1996) ated lo he lon ocampal (2000) recepto ity and ter max	for the silvers, For the silvers, For the silvers, For the silvers of the silvers	2 (: FK506 r-med: the the increase incr	an iate rassioneas cell mic tia	

,	For PTO	. /	Pat	entano	LTrac	lamark Offi	tment of Commerce	Atty. Doc 64481/JP	ket No. W/AJM/MML	Serial 1			
	1620	R SHIP	ORMAT	ΓΙΟΝ I	DISCI	LOSURE CI	ITATION	Applicants: Isabelle Mansuy and Eric R. Kandel					
3.5	TRADE	2						Filing Date March 5,		Group /	Group 1632		
1	A TRADE	MAR				U.S. PATENT DOCUMENTS							
Examiner Initial		Docum	ent Numb	er		Date	Name	Class	Subclass	Filing Date if Appropriate			
			++-	+				ļ	 				
			++	++	+			 	-	+-			
										+			
l					I	FOREIGN F	PATENT DOCUMENT	rs					
ļ		Docum	nent Nu	mber		Date	Country	Class	Subclass	Translation			
ŀ		- 	ТТ	ТТ	\top					Yes	No		
ŀ		_ -	++	╁┼	+				<u> </u>	+	 		
ţ			11	 			<u> </u>	 		 	-		
										 	<u> </u>		
L		0	THER	DOCU	MEN	TS (Includi	ng Author, Title, Date,	Pertinent F	ages, Etc.)				
	Ama	Mans	expr	essi	M., on 1	reveals	al., "Rest	as a ke	y compone	regui	n the		
			siti 9-49			n shor (Exhib i	t-term to le it 21);	ong-ter	m memory	7," (Cell,		
		expr	essi	on w	ith	the r	T., "Inducibl tTA system for 98) (Exhibit 2	or the	reversi study of		gene		
	↓ .	impa pote anta	irmer ntiat	nt c tion st	of in AP!	learning vivo	tic plasticity g in rats an by the N-met Neurosci.	d bloc hyl-D-a	kade of aspartate	long-	term		
	Ama	Mulk calc	ineur	rin/:	inhi		phosphatase			of ppoce	a ampal 1994)		

Form PT	0-1449)	F	atent	and '	Frad	U.S. Depai lemark Off i	rtment of Commerce	Atty. Doc	ket No. V/AJW/WIVI	Serial 10/091		
OIP	E. 20.0	INFO	ORM		ITATION	Applicants: Isabelle Mansuy and Eric R. Kandel							
1UL 16	100K &				aty)	Filing Date March 5,	Group 1632						
M/2	Or C.	-			TENT DOCUMENTS								
Example Initial		Docum	ent Nu	mber			Date	Name	Class	Subclass	Filing Date if Appropriate		
	\vdash	+	+		+-	+							
				Ц.		Ļ	ODEICNI	DA TENT DOCUMENT					
	I	ocun	nent :	Numl	oer	Ť	Date	PATENT DOCUMENT Country	Class	Subclass	Translation		
			1		ı ı						Yes	No	
						\dashv			 				
		\bot											
· ·	11		THE	'D DC		(EN	TC (I11:	ng Author, Title, Date,	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
	F	err hos	inc pha	(Ex	B.A. e a	it , ct.	et al.	ex," J. Biol , "Calcium re by its B subu	egulati nit and	on of ca	alcine	uri:	
1		f t	the	au	toi	nhi	bitory 26);	domain," J.	Biol.	Chem., 27	70:340	-34	
	r	ang emo	ry	Y.P in	., mic	et e,″	al., Natur	"Genetic enha e, 407:63-69 (ncement 1999) (of lea	rning	an	
												NMD. 995	
\bigvee	p	rev	ent	s e	xpr	es	sion of	er, A., "Inhil hippocampal 30 (1994) (Exh	long-te	erm poter	hatas ntiati	e 21	
Ama	p a	cti	syn vit	apt ies	ic co	Ca ntı	²⁺ -deper colling	Celly, P.T., adent protein synaptic stroot 30);	kinase	and ph	ospha	ween tasi	
EXAMINER	An	~e-	ma.	A10	Jal	k	ATE CONSII	DERED 4 25 105	·	***			
EXAMINE	R: Initia	l if cita	ation c	onside	red, wh	ether	or not citation	n is in conformance with MPI	EP 609: Draw	line through citation	on if not in		

conformance and not considered. Include copy of this form with next communication to applicant.

P	PTO-14	40														
					Pat	ent.	and	Tri	U.S. Depa Idomark Of l	rtment of Commerce	Atty. Doc 64481/JP	ket No. WAJM/MML	Serial I 10/091			
lo,	- 2011	Patent and Tradomark Office CINFORMATION DISCLOSURE CITATION (Use several sheets if necessary)										Applicants: Isabelle Mansuy and Eric R. Kandel				
JUL	JUL 16 DOS										Filing Date March 5,		Group 1632			
KA. SY U.S. PATENT DOCUMENTS																
Initial	Document Number								Date	Name	Class	Subclass	Filing Date if Appropriate			
-		+	-	\vdash	+	╁	╀	+			 	 	 			
					\dagger	\dagger	\dagger	+	 		 	<u> </u>	 			
									FOREIGN	PATENT DOCUMENTS	<u> </u>					
		Do	cum	ent	Nu	mb	er		Date	Country	Class	Subclass	Translation			
	-	+-	П	_	Т	T	Т	\top	<u> </u>		 		Yes	No		
	+	╁	┢	-	╁	+	╁	+			 		┿			
		\vdash	_	 	-	╁	\vdash	+-	 		ļ	<u> </u>	 			
			_			⇈	\vdash	T			 	<u> </u>				
			0	ГНІ	ER	DO	CUI	MEI	VTS (Includi	ing Author, Title, Date, I	Pertinent P	ages Etc.)		<u> </u>		
An	12	in	ng ti tra	, vi:	J ty el:	.H d lul	·, low	nr	and Ke egulates Ca2+ si	lly, P.T. "Ps synaptic tr gnaling mechan , 17:4600-4611	ostsyn ansmis isms i	aptic ca	weake ampal	ening CA1		
		su	bur	nit	t (of	t]	he	domain	, "Identificat that binds the 6-460 (1995) (E	e regu	latorv B	ineur	in A		
	J. Biol. Chem., 270:456-460 (1995) (Exhibit 32); Winder, D.G., et al., "Genetic and pharmacological evidence for a novel, intermediate phase of long-term potentiation suppressed by calcineurin," Cell, 92:25-37 (1998) (Exhibit 33); and											tion				
Am	2	syr	nap	ti	C	de	epo	ote	ntiatio	selective rol n in hippocamp 555 (1999) (Exh	ous,"	Proc. Na		x in		
	Am		_	_) al	K	DATE CONSIL	4/23/05						
*EXAMI conforma	NER: Ini	tial if ot con	citat isidei	ion o	consi Inclu	dere	d, w opy	hethe	er or not citation is form with ne	n is in conformance with MPE at communication to applicant	P 609: Draw	line through citatio	n Íf not in			